

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	: Satoshi Seo et al.	Art Unit	: 2879
Serial No.	: 10/024,699	Examiner	: Matthew Hodges
Filed	: December 21, 2001	Conf. No.	: 6811
Title	: LIGHT EMITTING DEVICE HAVING ORGANIC LIGHT EMITTING MATERIAL		

MAIL STOP RCE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. A copy of the listed U.S. patent can be provided upon request.

Applicants note that claim 5 of the present application recites a hole-injecting layer ("HIL") comprising a first organic compound that serves as a hole injecting material in contact with an anode; a hole transporting layer ("HTL") comprising a second organic compound that serves as a hole transporting material; and a mixed region comprising the first organic compound and the second organic compound between the HIL and the HTL.

Applicants further note that, at page 5 of the Office Action dated February 8, 2005 in co-pending U.S. Application Serial No. 10/043,812, another examiner has taken the position that Fujii (U.S. Patent No. 5,674,597) discloses an organic compound film comprising at least two compounds selected from the group consisting of a HTL and a HIL (see col. 3, lines 18-20; col.4, lines 62-64; and col.5, lines 26-30).

Also, supplemental to the Information Disclosure Statements (IDS) filed June 19, 2002 and February 13, 2003, applicants submit the attached corrected forms PTO-1449. The corrected forms PTO-1449 are being submitted to correct a typographical error in the publication date and the page counts for references Desig. ID "AY", "AZ" and "AL". The attached forms PTO-1449 include the correct publication date and page counts in bold type.

Applicant : Satoshi Seo et al.
Serial No. : 10/024,699
Filed : December 21, 2001
Page : 2 of 2

Attorney's Docket No.: 12732-088001 / US5398/5543

This filing is being made with the filing of a Request for Continued Examination. No fee is required.

Respectfully submitted,

Date: 12/22/06



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Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 12732-088001	Application No. 10/024,699
	Applicant Satoshi Seo et al.		
	Filing Date December 21, 2001	Group Art Unit 2879	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,674,597	10/07/1997	Fujii et al.			01/13/1995
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQ	Office Action dated February 8, 2005, in co-pending U.S. Application Serial Number 10/043,812 (12 pages)
	AR	
	AS	
	AT	

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent/Application Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	10/026,064	Pending	Seo et al.			01/10/2002
	AB	10/081,971	Pending	Yamazaki et al.			02/20/2002
	AC	10/072,310	Pending	Yamazaki et al.			02/05/2002
	AD	10/060,427	Pending	Kanagawa et al.			01/29/2002
	AE	10/062,005	Pending	Yamazaki et al.			01/31/2002
	AF	10/043,812	Pending	Kanagawa et al.			01/10/2002
	AG	10/081,558	Pending	Seo et al.			02/20/2002
	AH	10/072,507	Pending	Seo et al.			02/05/2002
	AI	10/026,064	Pending	Seo et al.			12/21/2001
	AJ	09/852,090	Pending	Yamagata et al.			05/10/2001
	AK	5,925,980	07/20/1999	So et al.			05/01/1997
	AL	5,853,905	12/29/1998	So et al.			09/08/1997
	AM	6,130,001	10/10/2000	Shi et al.			07/15/1997
	AN	5,271,089	12/14/1993	Ozawa			11/04/1991
	AO	6,285,039	09/04/2001	Kobori et al.			06/03/1998

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AP	EP 1 065 737 A2	01/03/2001	Europe				
	AQ	10-233288	09/02/1998	Japan			XX	
	AR	2001-52870	02/23/2001	Japan			XX	
	AS							
	AT							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AU	C.W. Tang et al.; "Organic Electroluminescent Diodes"; <i>Applied Physics Letters</i> , Vol. 51, No. 12; pp. 913-915; September 21, 1987

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Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AV	Yasunori Kijima et al.; "A Blue Organic Light Emitting Diode"; <i>Japan Journal of Applied Physics</i> , Vol. 38; pp. 5274-5277; September 1999
	AW	C.W. Tang et al.; "Electroluminescence of Doped Organic Thin Films"; <i>Journal of Applied Physics</i> , Vol. 65, No. 9; pp. 3610-3616; May 1, 1989
	AX	Chihaya Adachi et al.; "Electroluminescence in Organic Films with Three-Layer Structure"; <i>Japanese Journal of Applied Physics</i> , Vol. 27, No. 2; pp. L269-L271; February 1988
	AY	Tetsuo Tsutsui et al.; "New Aspect of Research and Development of Organic EL"; <i>M&BE Seminar (M&BE)</i> , Vol. 11, No. 1; pp. 3-12; 2000
	AZ	Takeo Wakimoto et al.; "Organic EL Cells Using Alkaline Metal Compounds as Electron Injection Materials"; <i>IEEE Transactions on Electron Devices</i> , Vol. 44, No. 8, pp. 1245-1248; August 1997
	AAA	S.A. Van Slyke et al.; "Organic Electroluminescent Devices with Improved Stability"; <i>Applied Physics Letter</i> , Vol. 69, No. 15; pp. 2160-2162; October 7, 1996
	ABB	D.F. O'Brien et al.; "Improved Energy Transfer in Electrophosphorescent Devices"; <i>Applied Physics Letter</i> , Vol. 74, No. 3; pp. 442-444; January 18, 1999
	ACC	Tetsuo Tsutsui et al.; "High Quantum Efficiency in Organic Light-Emitting Devices with Iridium-Complex as a Triplet Emissive Center"; <i>Japan Journal of Applied Physics</i> , Vol. 38, Part 2, No. 12B; pp. L1502-L1504; December 15, 1999
	ADD	Tetsuo Tsutsui; "The Operation Mechanism and the Light Emission Efficiency of the Organic EL Element"; <i>Test of the Third Lecture Meeting; Bulletin of Organic Molecular/Bioelectronics Subcommittee, Society of Applied Physics</i> ; pp. 31-37 w/translation; 1993
	AEE	Junji Kido et al.; "Multilayer White Light-Emitting Organic Electroluminescent Device"; <i>Science</i> , Vol. 267; pp. 1332-1334; March 3, 1995

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Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL	TW 243470	21 MAR 1995	TAIWAN			Abstract	
	AM							
	AN							
	AO							
	AP							

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